BEACON SYNC & FLASH PATTERN INFORMATION

TRIPLE-R
HIGH PERFORMANCE LIGHTING
A LAZER LAMPS COMPANY

LR-750 BEACON / LR-850 BEACON

The BEACON function for the LR-750/850 features an innovation whereby the customer can choose to operate this function in a "synchronized (SYNC)" way across a number of installed lamps, or they can select to operate this function in an "ALT-SYNC" way.

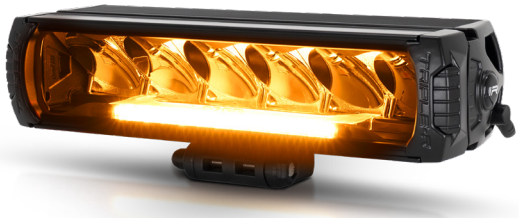
SYNC : All lights flash together, with the same flash pattern.

ALT-SYNC : The lights on the left side of the vehicle can flash at the opposite time to the lights on the right side of the vehicle. All lamps flash with the same type of pattern when connected in this way.

To use ALT-SYNC, the user needs to set the lamps to be either as Mode 1 lamps or Mode 2 lamps. For example, lamps on right-hand side in Mode 1 and lamps on left-hand side in Mode 2. All lamps are supplied as Mode 1, so to change a lamp to Mode 2, lamps on the LH side must be connected together, and then hold the SYNC wire to 12V or 24V for 10 sec (the lamp will flash twice). After that, to synchronize the lamps in Mode 1 and Mode 2 together again, the remaining lamps (i.e. on the RH side) should then be connected, and the user should hold the SYNC button for 5 sec. After this, the lamps will flash with ALT-SYNC flashing.

BEACON FLASH PATTERNS:

1. SINGLE
2. DOUBLE
3. ALT-SYNC SINGLE
4. ALT-SYNC DOUBLE



LR-1000 BEACON

The BEACON function for the LR-1000 incorporates 16 different flash patterns, that vary between the left-hand and right-hand flashing modules (within each lamp) operating at the same time (SYNC) or alternating (ALT-SYNC).

To synchronize multiple lamps, the SYNC wires should be connected, and the user should hold the SYNC wire to 12V or 24V for >3 seconds. After this, the lamps will then synchronize and can be cycled together, following the same flash pattern.

BEACON FLASH PATTERNS:

1. SINGLE (SPLIT) - DEFAULT
2. DOUBLE (SPLIT)
3. QUAD (SPLIT)
4. QUINT (SPLIT)
5. ULTRA (SPLIT)
6. SINGLE – QUAD (SPLIT)
7. SINGLE – HL (SPLIT)
8. ECE R65 – SINGLE (ALL)
9. R65 (ALL)
10. SINGLE (ALL)
11. DOUBLE (ALL)
12. QUAD (ALL)
13. QUINT (ALL)
14. ULTRA (ALL)
15. SINGLE – QUAD (ALL)
16. SINGLE – HL (ALL)

TROUBLESHOOTING

1. Ensure all lamps that share a SYNC line also share the same return/earth (GND) before connecting to the vehicle negative (chassis earth or battery negative).

2. It is recommended to perform a reset after installation to ensure multiple lamps are not operating with different flash patterns.

3. If the BEACON function is being controlled via CANNY, and if the CANNY unit was built before July 2026, it will require a diode in series with one of the CANNY output wires.